

Building Physics Beyond the Standard Model
with

The International Society for High Energy Physics

High Energy Physics

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High Energy Physics



What are we doing?

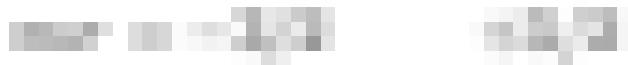
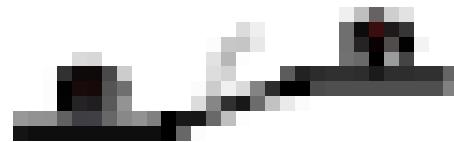
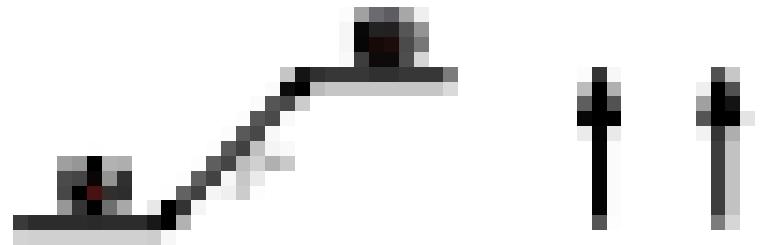
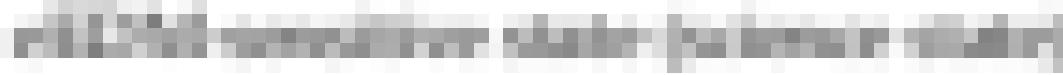


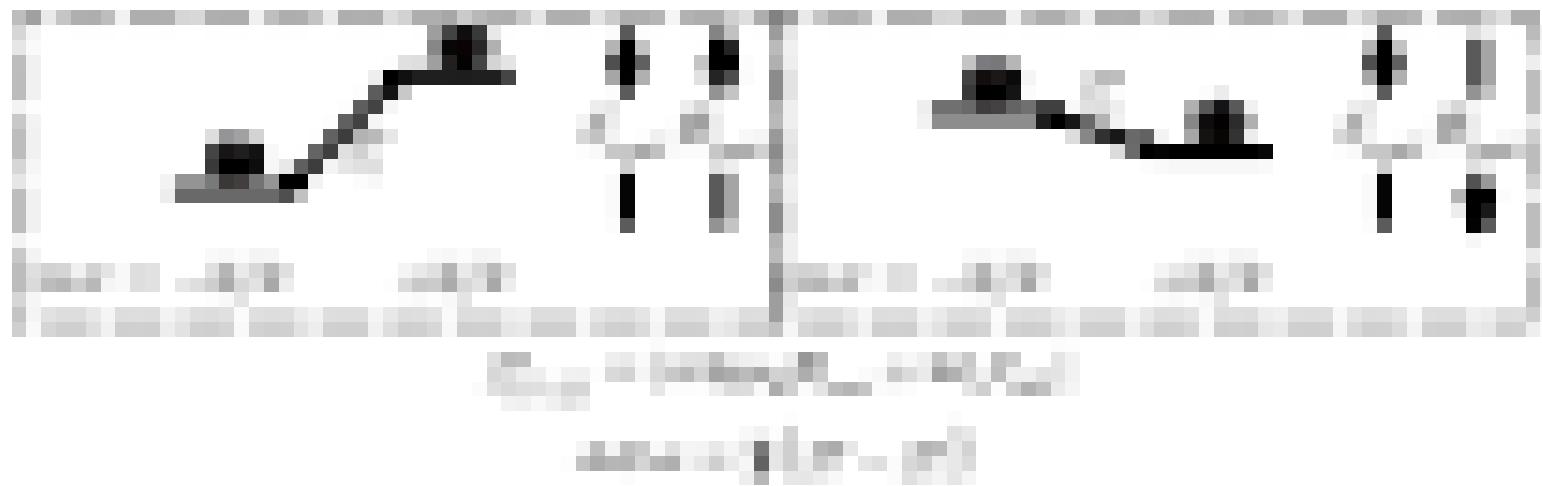
What are we doing?



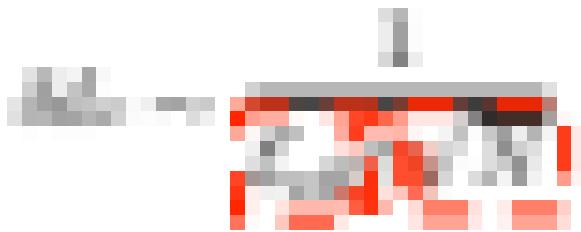
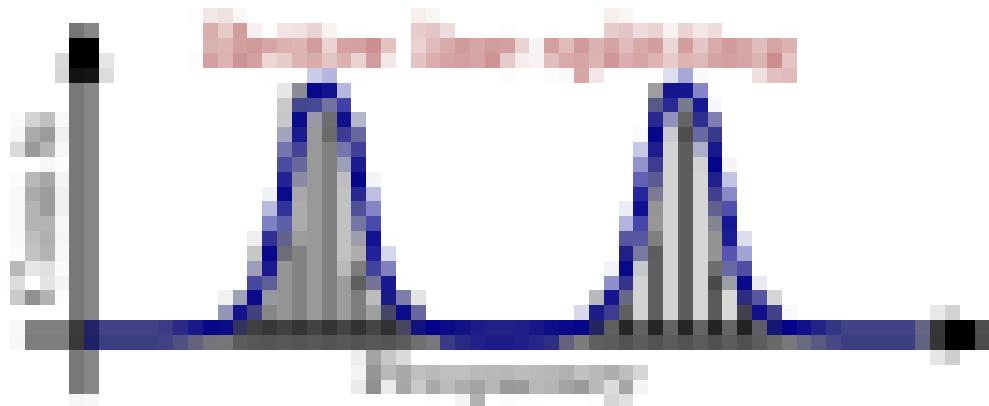
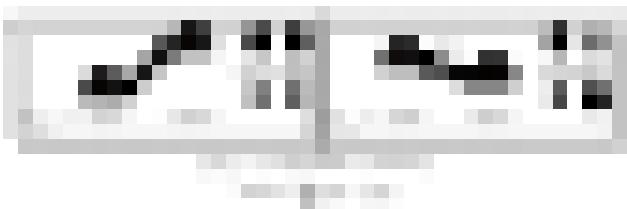
Introduzione



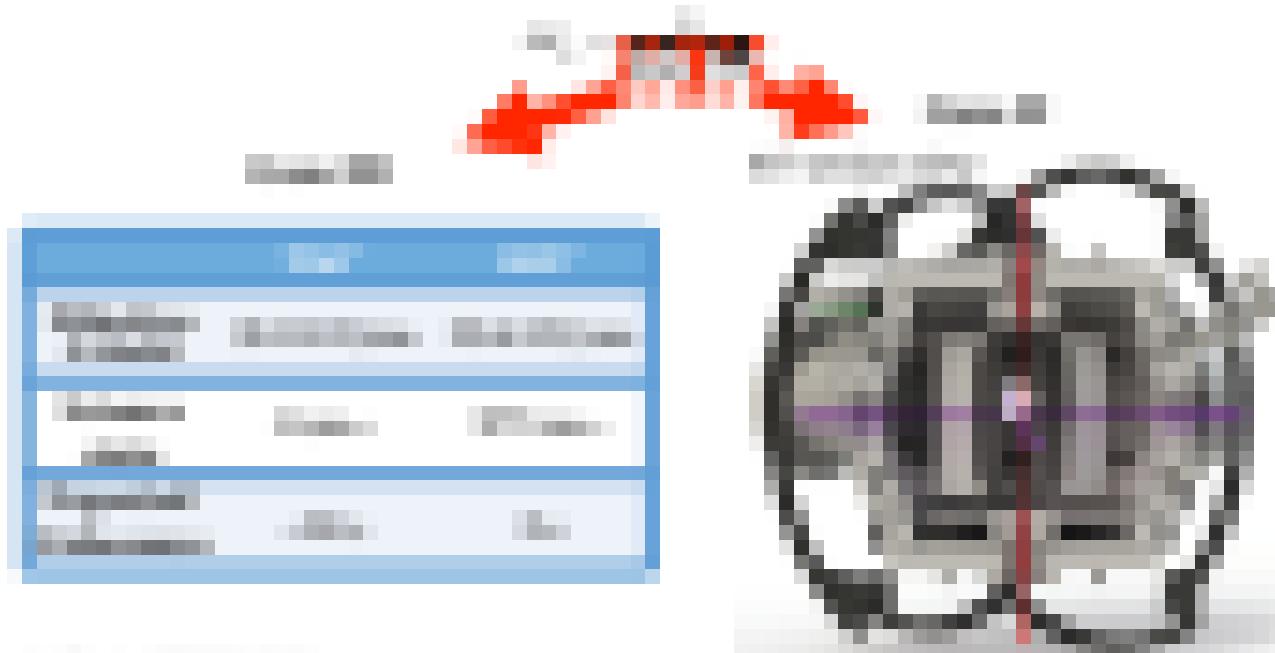




What we care about



Impressions



Generations



Population dynamics



Generations



Generation

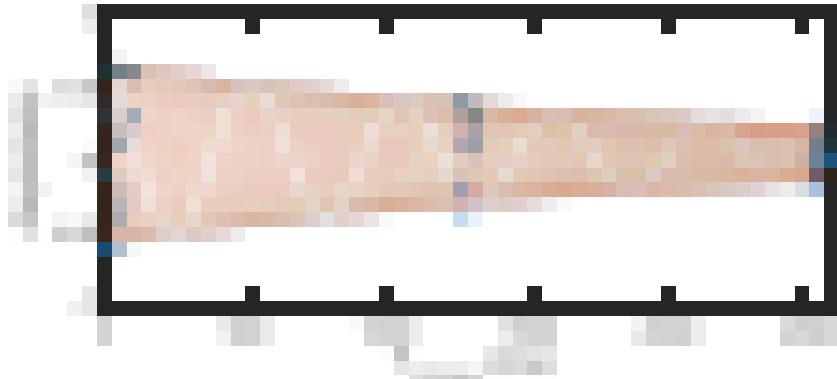
• Output

• Run properties

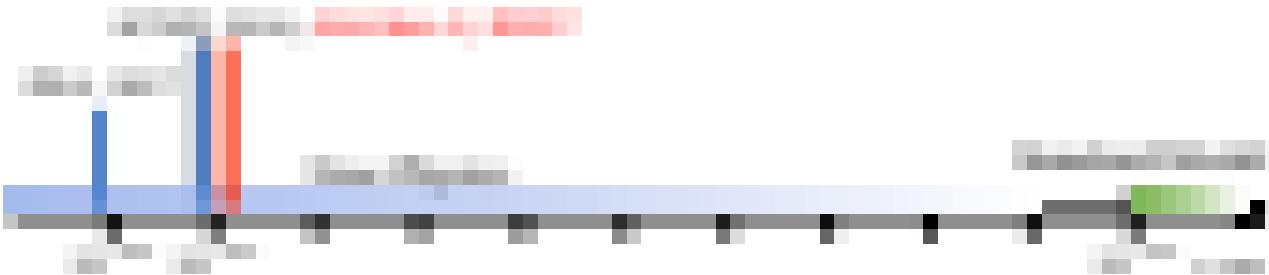
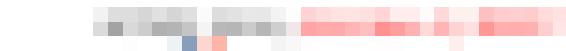
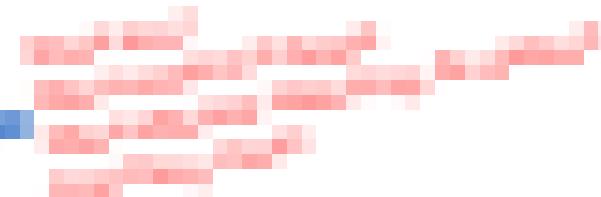
• Run status

• Run history

• Run log



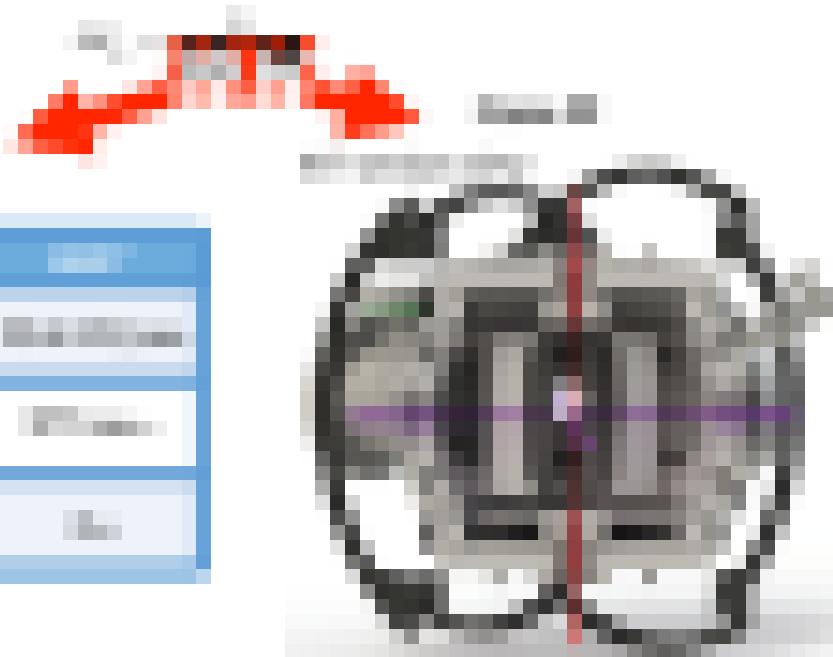
What are we

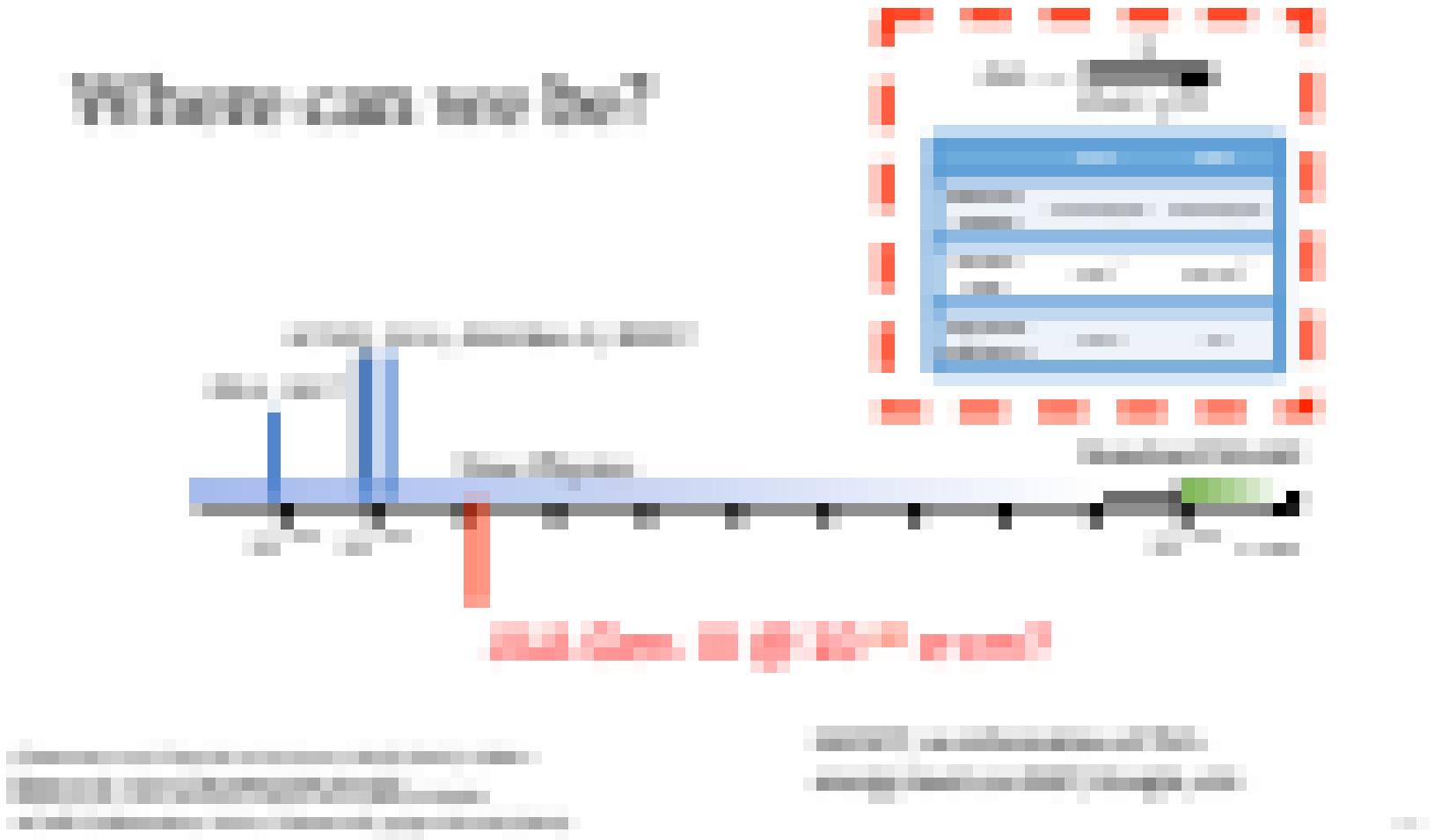


What are we

1

Impressions

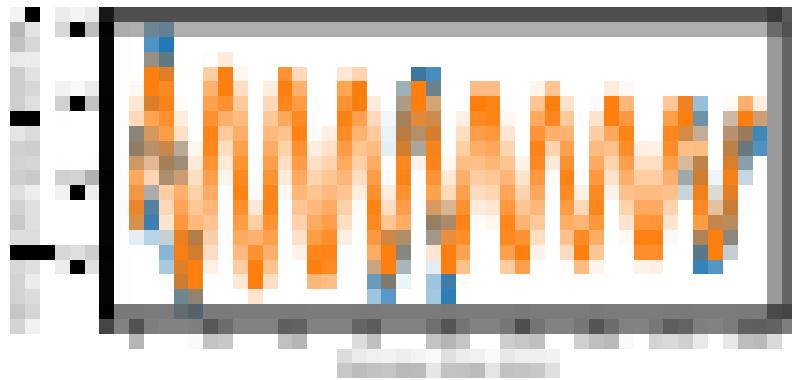




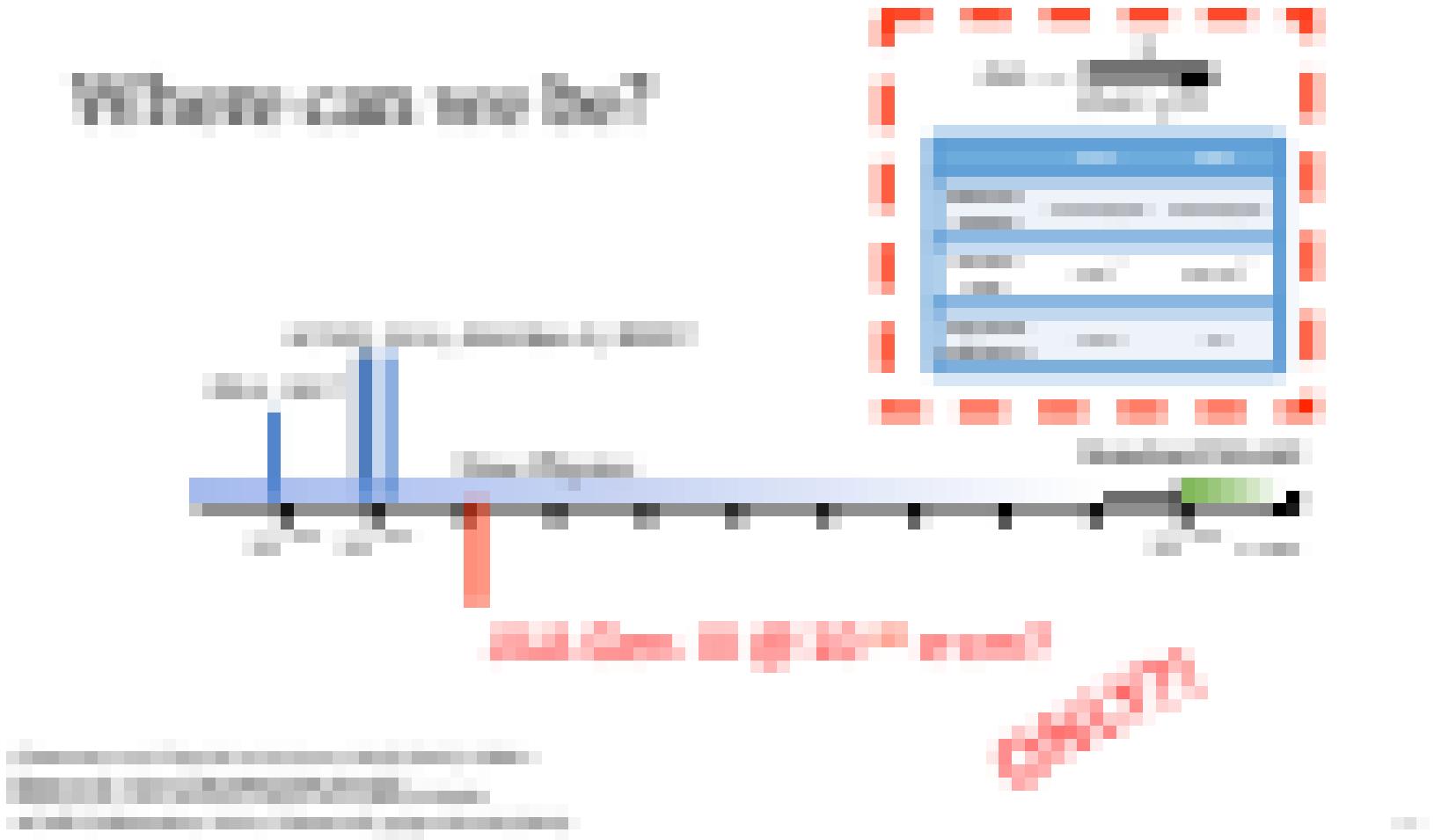
After a decade of spectroscopy

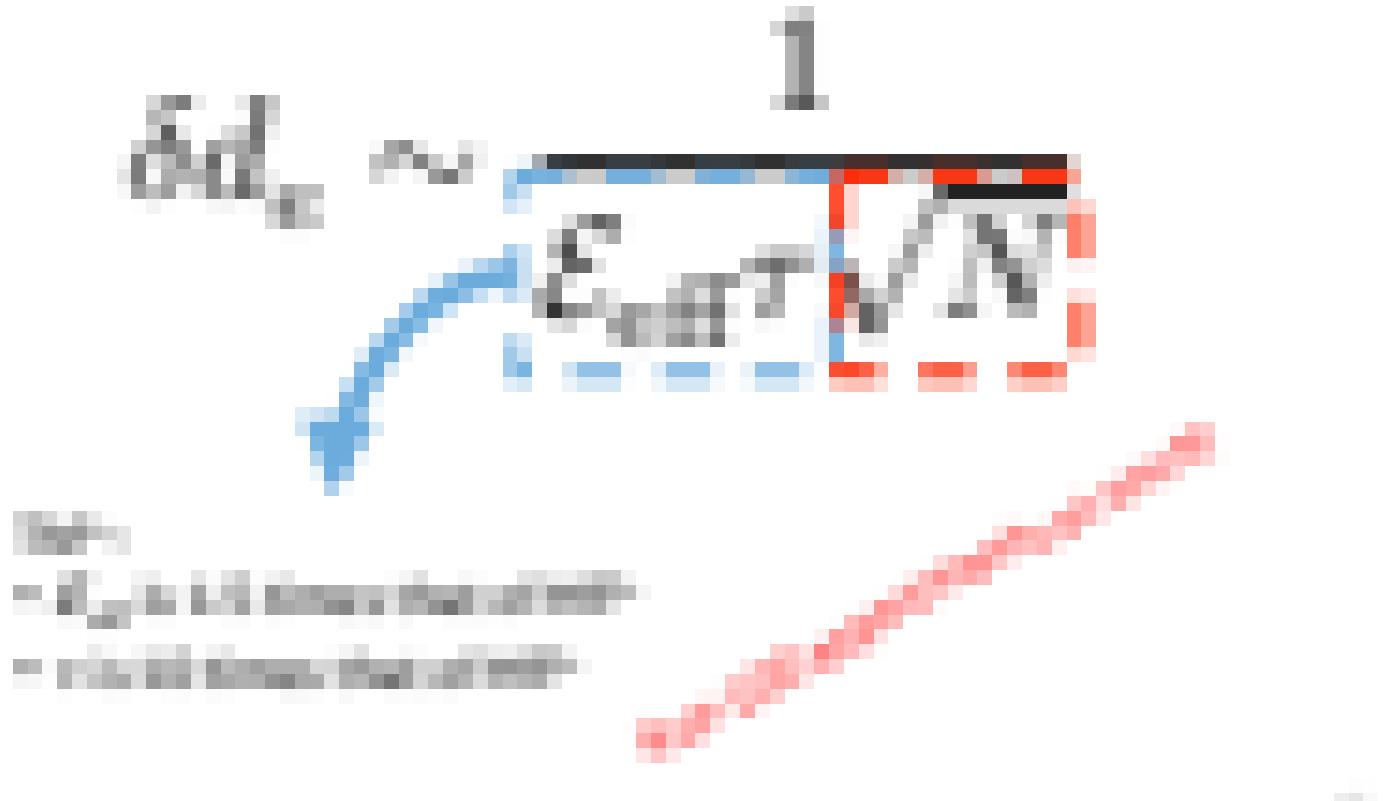
- Building the multiple programs and libraries

• Learning by example

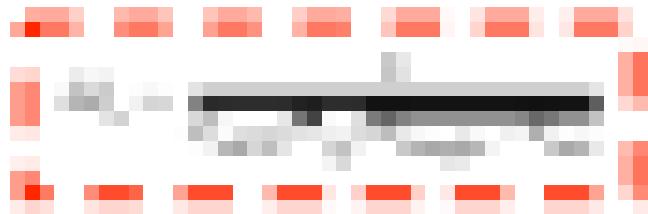


• Many spectra
• Many programs
• Many users

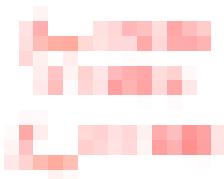




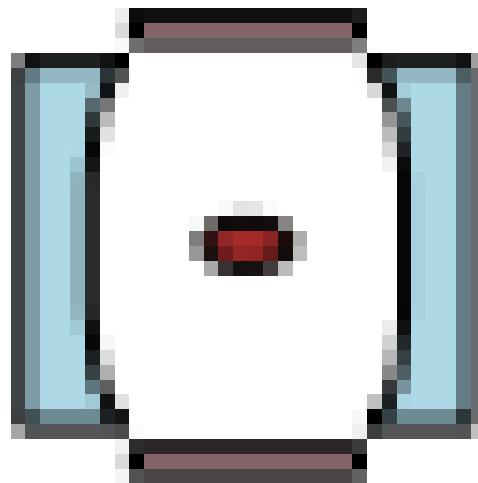
Our experiment at a Glance



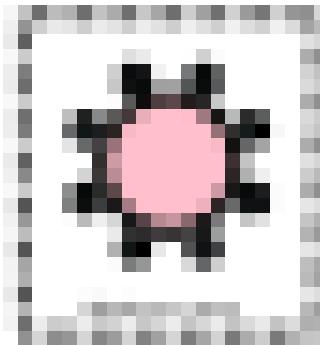
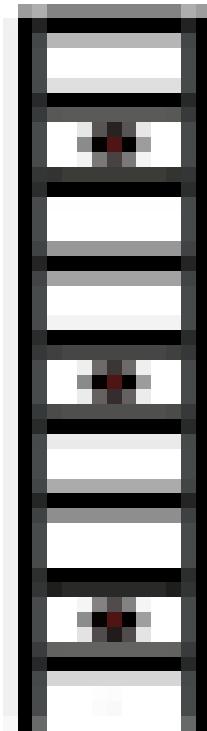
10 experiments at a time



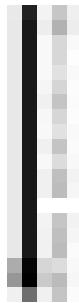
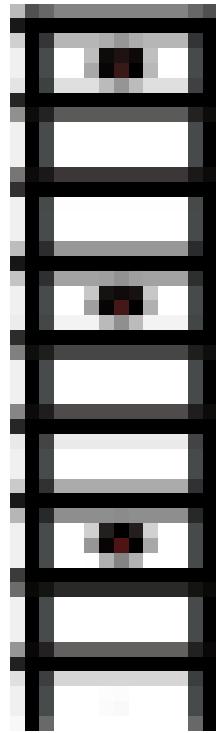
Paul Karp 1990



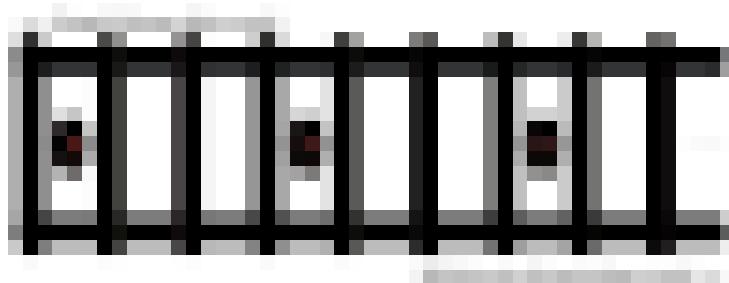
Pixel Trap 100 - Standard Bridges

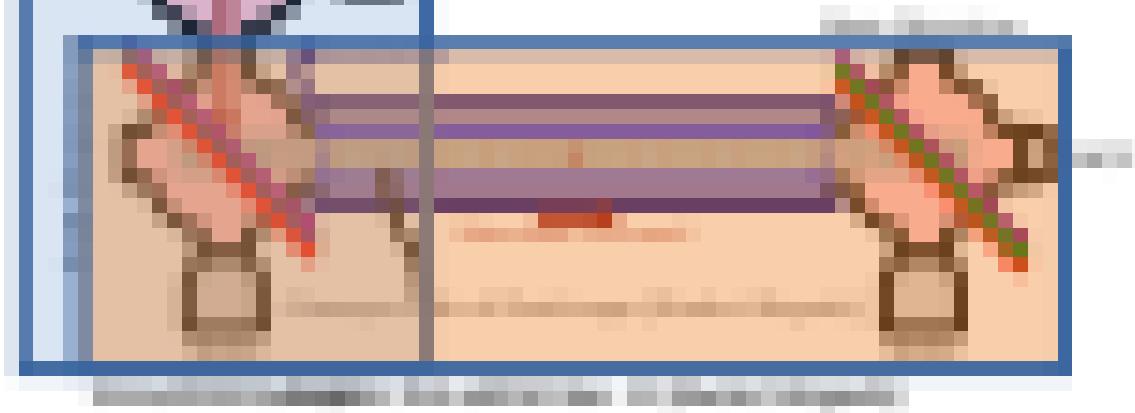
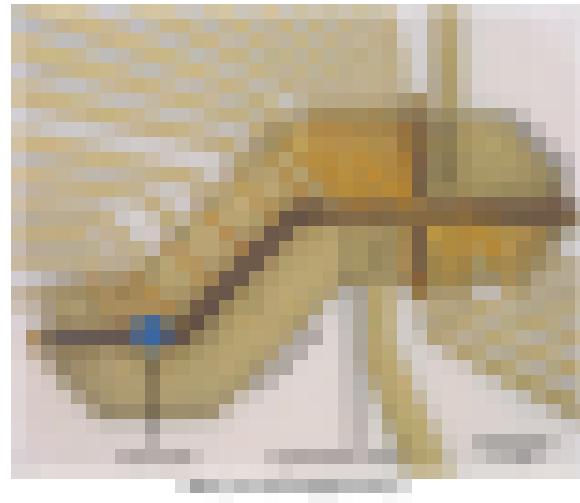
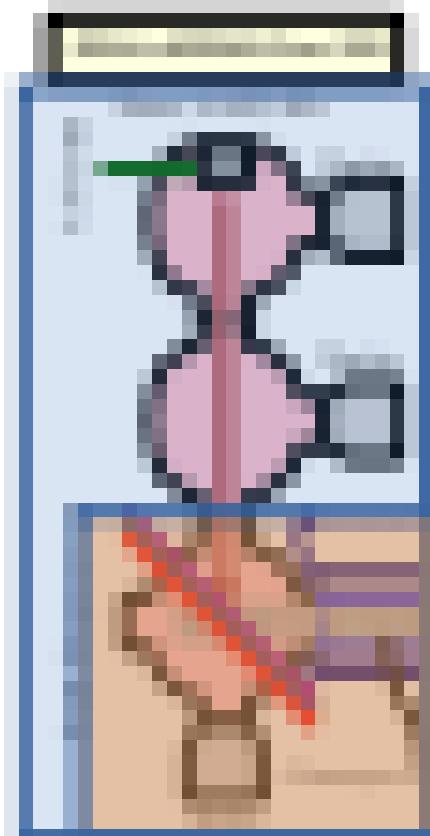


Paul Klee 1911 - Sketches Bridges

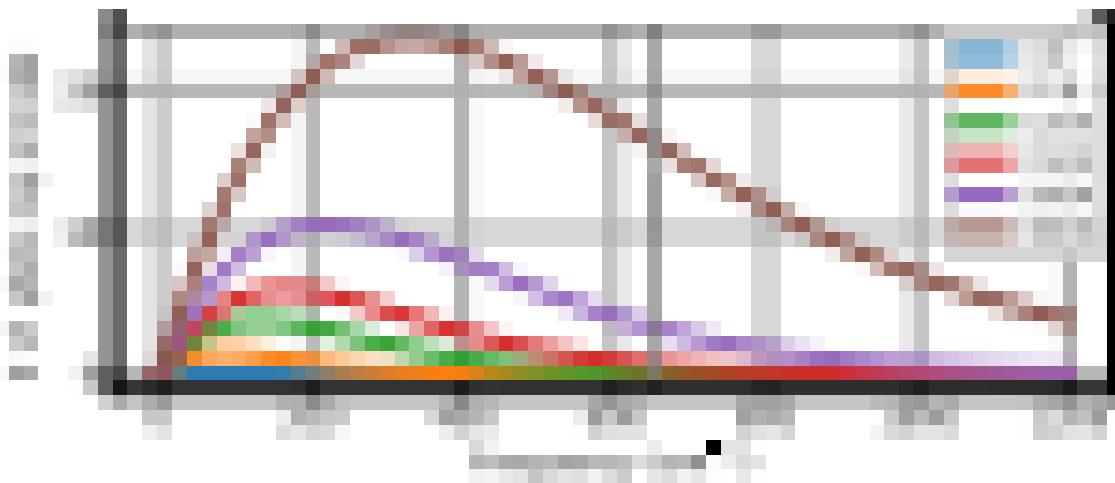


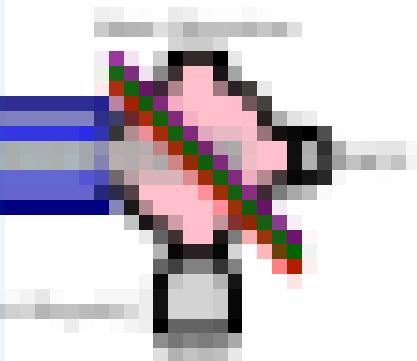
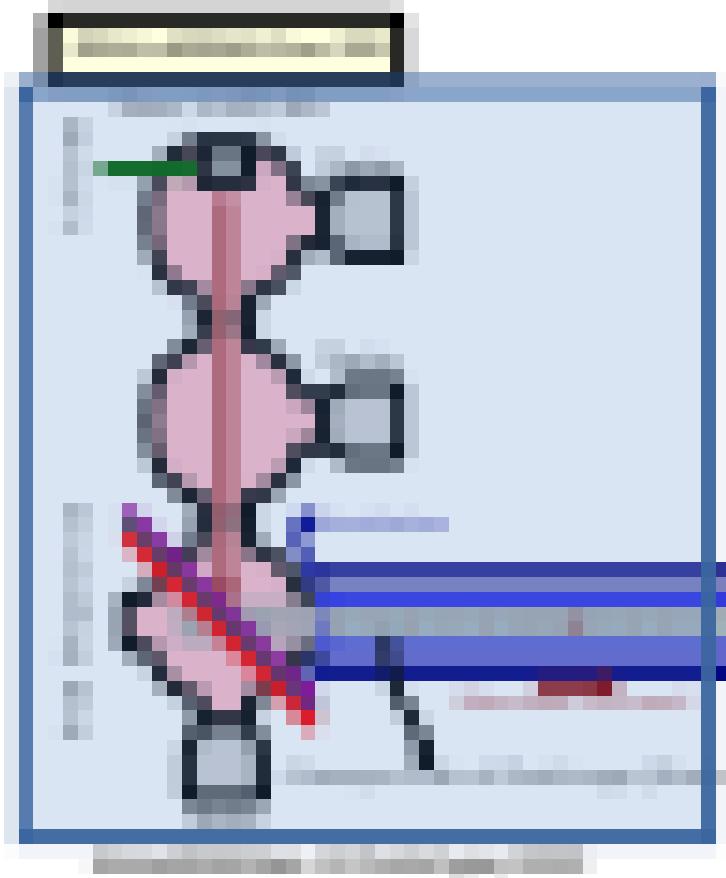
Paul Klee 1920 - Sketches Bridges





BlackBerry Radiation Emission

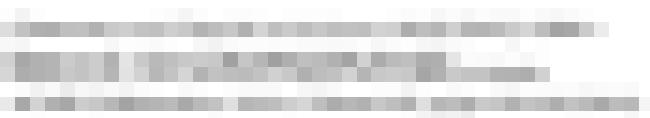
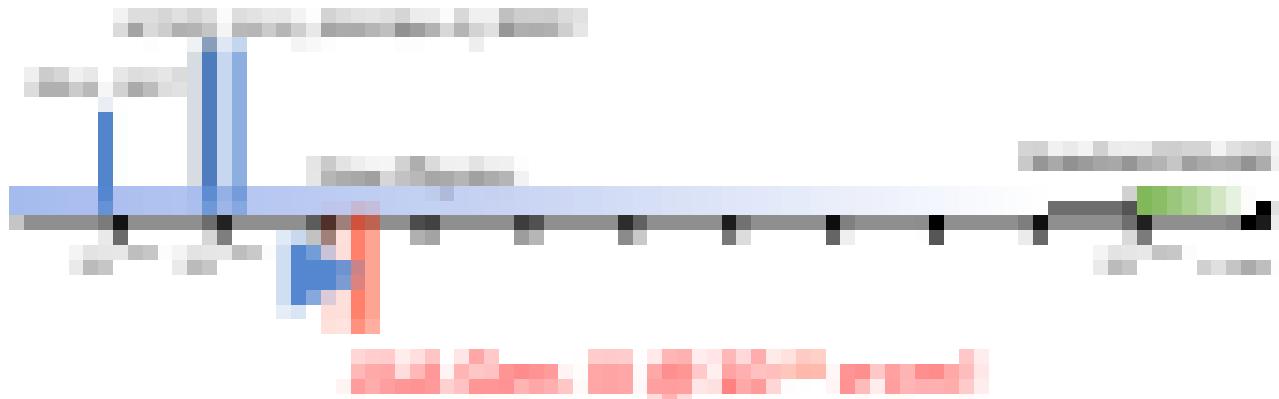
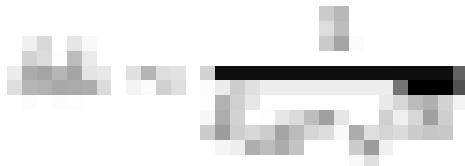


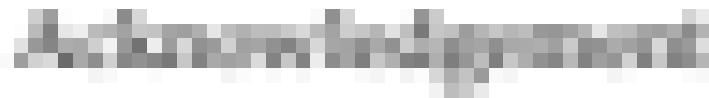


Generations



Stage 1





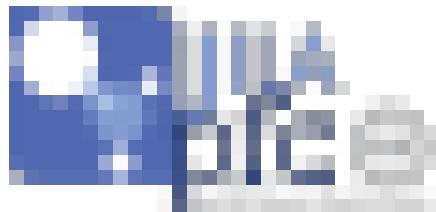
• CleverHans

• Adversarial Patch

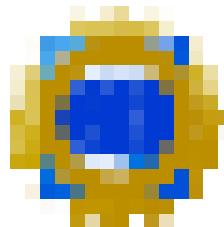
• TensorFlow.js

• PyTorch

• TensorFlow Model Zoo



NIST



Current Members

