

Particle Physics Internet Activity

Website 1: The Fireworks of Elementary Particle Physics

- Select “Play with elementary particles!” (first column)
 - Follow the instructions to build particles.
 - Build the following particles: $p, \bar{p}, n, \bar{n}, \pi^+, \pi^-$
 - What particle do you get when you combine $\bar{u}ds$?
 - Build at least 2 other mesons and 2 other baryons.
- Select “Try to unfold a hadron step by step!” (second column)
 - Unfold the hadrons
- Select “Play with Feynman diagrams!”
 - Follow the instructions

Website 2: Particle Physics

- Follow the instructions to answer the questions presented.

Website 3: Quarked (Games)

- Play the following games:
 - Matter Mechanic
 - Baryon Blaster
 - Quarked Rummy
 - Quarked Quiz