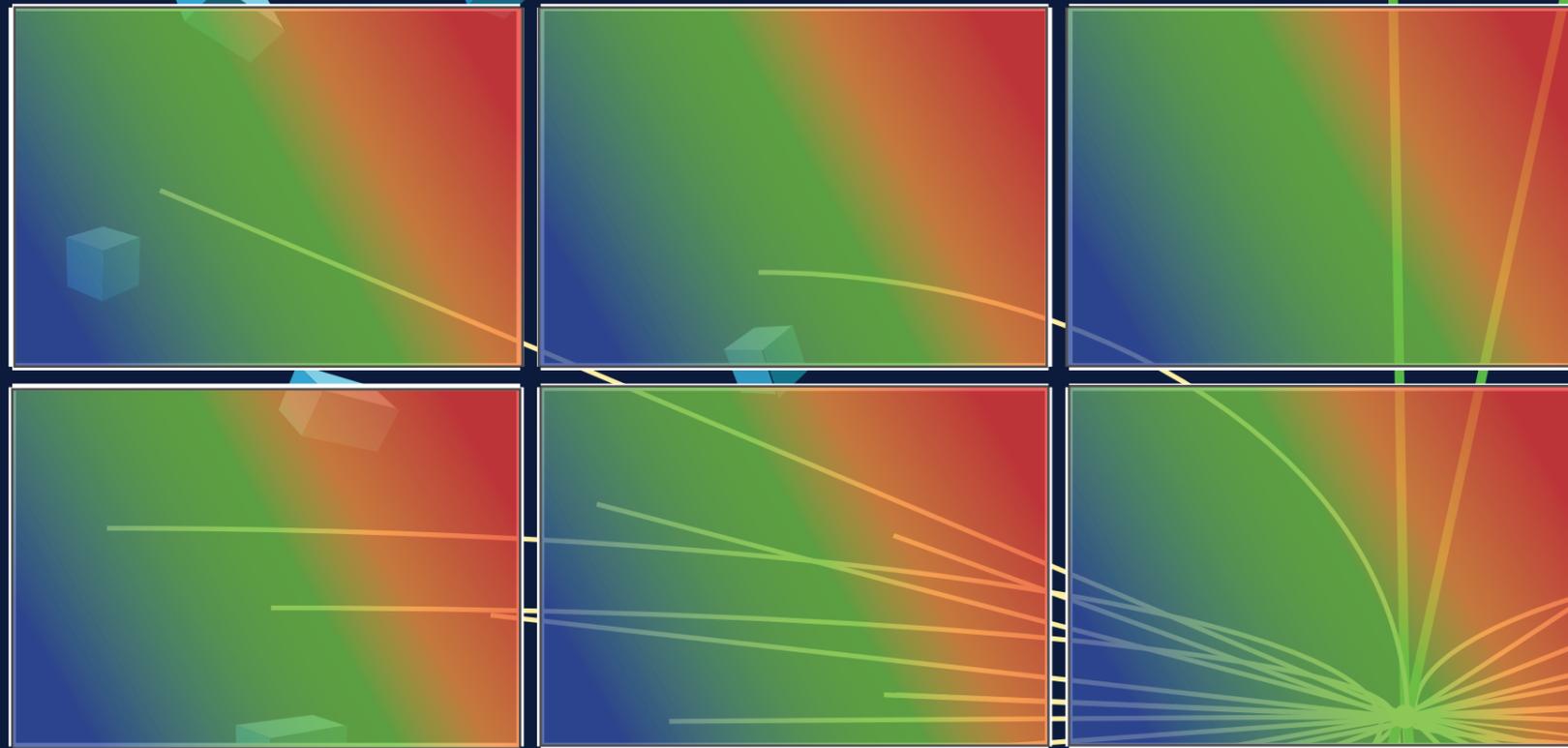
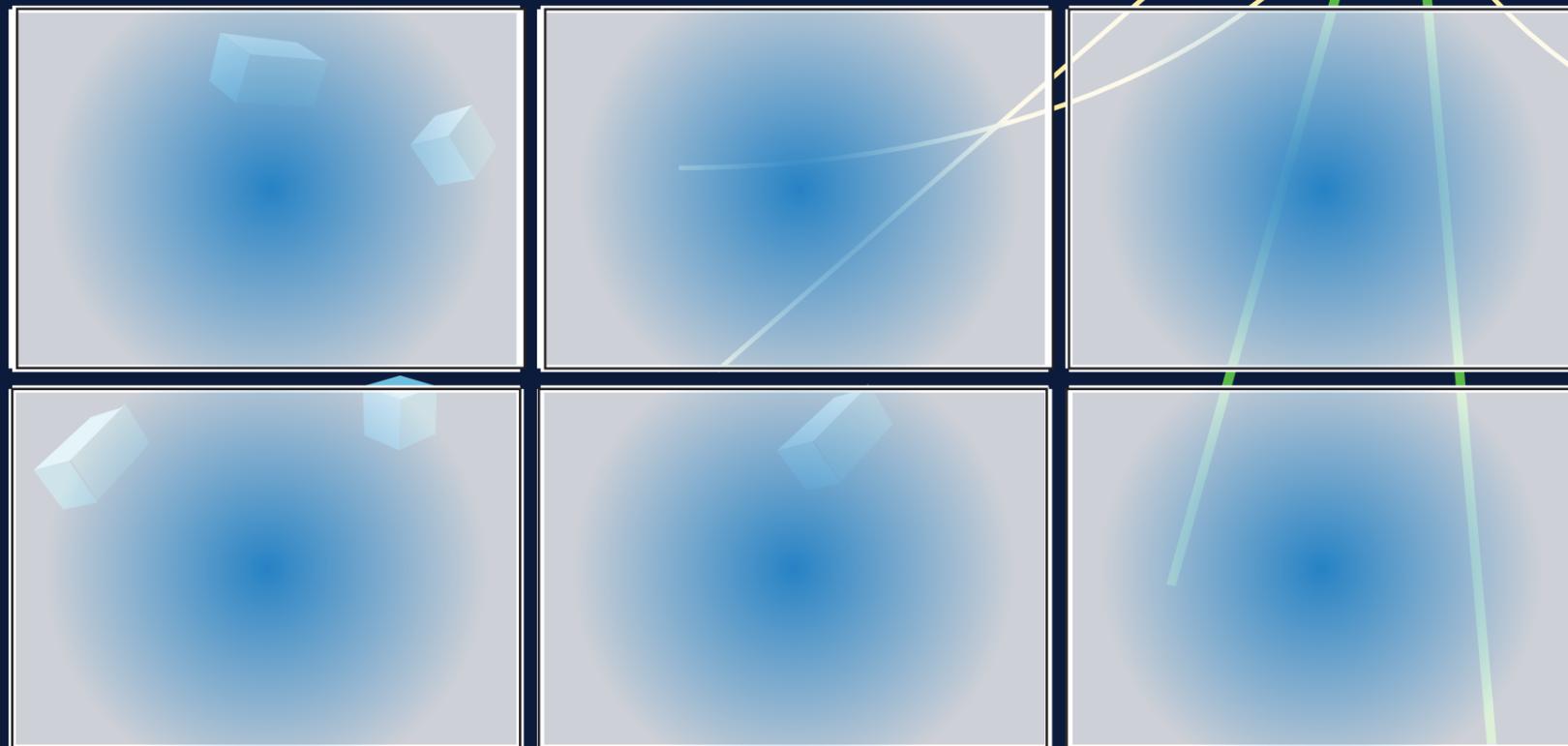


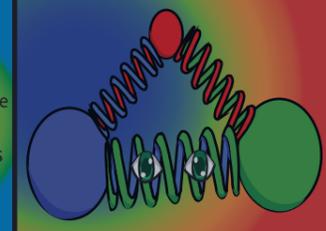
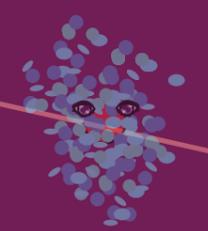
Quarks



Leptons



Bosons

<h3>Photon</h3> <p>Electric Charge: 0 Spin: 1 Mass: 0.0 eV Mean Lifetime: Stable</p> <p>Colour Charge: No Exchange boson (1 point)</p> 	<h3>Gluon</h3> <p>Electric Charge: 0 Spin: 1 Mass: 0.0 eV Mean Lifetime: Stable</p> <p>Colour Charge: Yes Exchange boson (1 point)</p> 
<h3>W⁻ Boson</h3> <p>Electric Charge: -1 Spin: 1 Mass: 80.4 GeV Mean Lifetime: 3×10^{-25}s</p> <p>Colour Charge: No Exchange boson (1 points)</p> 	<h3>W⁺ Boson</h3> <p>Electric Charge: +1 Spin: 1 Mass: 80.4 GeV Mean Lifetime: 3×10^{-25}s</p> <p>Colour Charge: No Exchange boson (1 points)</p> 
<h3>Z Boson</h3> <p>Electric Charge: 0 Spin: 1 Mass: 91.2 GeV Mean Lifetime: 2.6×10^{-25}s</p> <p>Colour Charge: No Exchange boson (1 points)</p> 	<h3>Higgs Boson</h3> <p>Electric Charge: 0 Spin: 0 Mass: 125 GeV Mean Lifetime: $\sim 10^{-22}$s</p> <p>Colour Charge: No (5 points)</p> <p>The Higgs Boson is an excitation of the Higgs field which gives particles their mass.</p> 

Place Annihilated
Cards Here



Online version of game available at this link (to the left): <https://particle-builder.anu.edu.au/>

Free printable version of particle builder available at this link (QR to the right): <https://zenodo.org/records/3594204>

