

Hunting for the Higgs by Jonny Berliner

Am E7 Am A7 Dm A7 Dm

Now the superstitious fear a broken mirror, whilst scientists choose rationality,

E7

And yet the one thing that a physicist can simply not abide is when nature shows a broken symmetry.

If you've ever tried to weigh a ray of sunlight, you'll know that it's a very tricky thing to try,

For the photons in a ray light massless unlike the particles with mass that go to make up you or I.

So, it seems the standard model's asymmetrical for its bosons would all have mass the same,

So, there needs to be a field, that will only be revealed by its boson and the Higgs will be its name.

Am C Dm/B E7

They're looking for the boson giving mass to matter,

Am C E7

The model only holds if it exists.

Am G F Am

The way they're finding's by hadron colliding,

E7 Am E7 Am

It's a hell of a way to go hunting for a Higgs.

So, when they'd finished all their calculations, the only way to solve the mystery,

Was to accelerate some protons and watch as they collide in the biggest machine that ever was built in all of history.

It needed 27 kilometres of tunnel, 100 metres 'neath some alpine hills.

It took 111 nations working in cahoots. It's the only way they'd ever pay bill.

Chorus

Dm Am

But hunting for a Higgs amongst the debris of collision,

E7 Am

Is like looking for a needle in a haystack made of needles,

Dm Am

When the needle that you're looking for is really an invisible sort of needle,

E7 Am

And very quickly changes into other types of needle,

Dm Am

So, they need a big computer just to sort through all the needles,

E7 Am

And do the necessary number crunching needed to determine,

Dm E7

If a Higgs like needle needed to be there

Dm E7

And this simile's been taken much too far.

Chorus