

## Assignment sheet Particle Zoo

1-Pick a particle

2-Translate the English text and make sure you understand the Dutch text;  
what is meant by the physics terms.

Look up the meaning of those words and terms.

You should be able to read the text in front of the group and it should be clear to everyone what you mean.

3-You are going to make the particle using fabric

3.1 Make a list of materials that you need:

- what fabric and what colour do you need
- what extra things do you need to clearly portray the particle (glasses, mouth, eyes, etc.)
- what filling or stuffing do you need (how heavy is your particle?)

3.2 Trace the contour of the particle on paper and cut this out; this is the pattern for the fabric that you need to cut

3.3 Cut the pattern out of the fabric; you need two layers of fabric because the particle has to be filled. Also cut out any fabric necessary for any extra things

3.4 First make the extra things on the front of your particle. This can be done by sewing or gluing them.

3.5 Pin the two layers of fabric together

3.6 Sew the two layers to each other

- \*leave an opening for the filling
  - \*make sure there is a noose around the particle in order to hang it
  - \* sew a label with the name of your particle between the two layers of fabric
- \* Use yarn in the colour of the fabric
- \* Use a blanket stitch, a backstitch or an overhand stitch (see examples on the internet, e.g. youtube films from Jit design)

→ Make sure work systematically and that the stitches are equal in size

→ The smaller the stitch, the better the result!

3.7 Fill the particle

Depending on the stuffing material, you might need to create an internal form made of cotton to ensure that the stuffing does not leak out.

3.8 Close the opening.