



Cascade Outreach Competitions

Efficient and enjoyable way to inform
and engage many students with
Particle Physics

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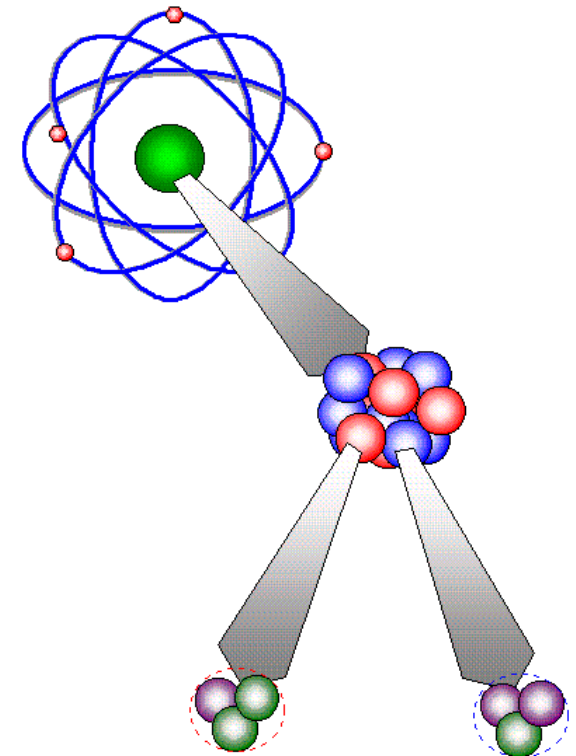
University of Birmingham, UK

Acknowledgements to STFC and many colleagues who contributed



Groups of students

- Produce presentations for other students about Particle Physics
- Teamwork to prepare and deliver a performance together (20 mins)
- Enhances their knowledge and communication skills without too much researcher/teacher time
- Inspires other students –
 ‘Cascade’ knowledge/interest



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Cascade Live

- Launched national competition
- Judged on video of the talk and content
- Finals day -- presentations at University
- Major and Minor prizes
- Many innovative demos and styles
- Resources about Cascade on web

[http://www.hep.ph.bham.ac.uk/cascade/index.php?p= Downloads](http://www.hep.ph.bham.ac.uk/cascade/index.php?p=Downloads)

Entries from many parts of the UK



150 students giving group talks to 1500 students

Particle physics and its
applications in medical science

By
Merchant Taylors' Girls' School,
Crosby



Cascade projects Ivan Melo - Slovakia

Cascade is an efficient and enjoyable way to inform and engage many students with Particle Physics.

Teams enhance their own knowledge and communication skills

About 40% of participants are girls.

The competition is easy to organize!

Winning projects have a solid scientific content and are great fun...for the participants & the audience!

Team members are often interested in pursuing a physics career



CASCADE

COMPETITION 2012

Are you a GCSE or A-level student with a passion for physics?



Torquay Boys' Grammar School



Hampton School



Wirral Grammar School for Girls



Dame Alice Owen's School

Video entries, on CD, DVD or USB flash memory, should be sent by **23rd March 2012** to:
Lynne Long, Schools Liaison Officer, School of Physics & Astronomy,
University of Birmingham, Edgbaston, B15 2TT

For more information, and competition rules, visit:
tinyurl.com/cascade-competitions/



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Cascade Video – Prize winners at the University of Birmingham





Outlook

- Why not try a Cascade competition in your institute or country ?
- We (Ivan and Pete) would be delighted to advise
- Could be used as follow up to Masterclasses for motivated students
- The students will enjoy it and so will you