Responses for **Why we are at CERN and Expectations we might have** for the three weeks: (Little middle group)

- Natural beauty of Switzerland
- Meeting others for science ideas and exchanging knowledge and information on education and bringing experiments back to the classroom.
- Research interest and direction for future as a relation for the origin of matter.
- Practice English, communication skills and other languages. We feel that is important to be able to communicate in multiple languages across scientific and non-scientific platforms.
- To experience and see a real particle physics laboratory where we can possibly meet current and future scientist and be part of a leading team on the edge of a major discovery.
- Transporting objects at the speed of light is of fascinating interest for us and we are curious that if small particles can be transported then other, larger items could be as well.

WHY HAVE WE COME HERE?

[and what do we expect from HST?]

1) To know people from other countries

2) To get a general overview of physics, as taught in European schools

3) To learn about the state of some among physics' most important projects

4) To disseminate the knowledge (also beyond the school's horizons)

5) To drink from the spring of PURE SCIENCE

6) To listen to some top scientist's lectures

7) To build by oneself some physics apparatus

8) To refill one's "enthusiasm reservoir"

THE BIG TEAM

Why have we come to CERN and what do we expect to gain?

Fabulous paid summer holiday

To learn about particle physics

Visit CERN

Learn and practice languages

To answer questions about the existence of particles

To meet teachers from other countries

To share best of practices

To take part in experiments

To find out why students have trouble learning physics or why they don't want to

To return home with ideas to share and first hand experience

To be invited back

Create networks to collaborate

To learn how to introduce modern physics into a classical curriculum

Bring back activities

Share curriculums

To investigate the future for the study of physics
What, how, or why study physics?

How to teach physics with and without math

To learn new problem solving skills

Increase integration and identification of concepts.

Tiny Group Report

Why did we come to CERN?

- To improve our knowledge of particle physics – many of us qualified some time ago and need bringing up-to date on the latest developments in this field.
- To develop and improve –
  writing materials; experimental techniques; skills in teaching; computing; use of English
- One member of the group wants to incorporate the beauty of particle physics into her art.
- To meet different teachers from different educational backgrounds and cultures.
- To make particle physics more interesting, easy and accessible for our students.
- To find out about life in Cern and the roles physicists play.

Our expectations –

- To realize our aims as outlined above.
- To transmit our knowledge, skills and use of resources to our colleagues and students.
- To keep in contact with Cern and HST03, exchanging ideas in order to develop professionally.