

PROFESSOR OK. What is really unique in Junior Lab compared to any other class that you could think about
GUNTHER teaching is the breadth both in terms of the material, the techniques, and the concepts that
ROLAND: you try to get across. From the specific physics of the experiments to sort of general tools of
experimentalists, both in terms of apparatus and in terms of computing, in terms of the
mathematical tools, understanding systematic uncertainties.

Then the communication elements from how to write a paper, how to give a talk, how to
prepare a poster, to sort of a very general sort of life skills, like time management, which really
is critical as you do this sequence of experiments. The collaboration with their partners, which
is something that many of them haven't experienced.

So Junior Lab really covers many different aspects and one has to really think about which are
the ones that one wants to emphasize as a lecturer in the lab. And I think it also is important to
really keep things fresh and try to innovate something every year. A new experiment, new
elements, just to really keep the experience up to date.