

The European Spallation Source ESS Deal

What should we do to get the best outcome of the expected deal between Tubitak and ESS ?

Dr. S. Turkoz

Mustafa İnan Conference Hall, TÜBİTAK Headquarters 6 Oct. 2015




At what stage of ESS the Turkish Research Community (TRC) should get involve?

- At the construction phase?
- At the User side?



Realities for Turkish Scientific Community:

- Do we have enough interest in the construction phase?
- Do we have enough researcherS to use the ESS facility?
- Are we doing enough research on the field that ESS will provide more powerfull instruments?

- 
- Since we are struggling to construct our own electron linac and linear proton accelerators and we need more expertise to achieve it
 - It is to our interest that our experts should participate for the purpose of training or contributing in the construction phase



- Unfortunately, we don't have enough researchers to justify the full membership for ESS


- What should we do?

 - to be a full member right away or

 - wait to have enough researcher to be member?

Actually, researchers are trained in the research environment

therefore we should come up with roadmap leading to full membership

- 
- The number of research papers published in TR associated with neutron research are not satisfactory enough for the justification of full membership
 - What should we do?
 - We should start promoting research on the utilization of neutron spallation source
 - By providing research grants with top priority,
 - By providing collaboration grants,
 - By providing scholarships for both graduate and post graduate researchers,
 - By setting up a ESS TR-USER RESEARCH GROUP,
 - By signing protocols with ESS Research Community to train our young researchers, as is was done with JRC of Europe,

- 
- All that mentioned above

Can be achieved **if and only if** It is included a provision in the Protocol that will be signed with ESS

- Saying that “ TUBİTAK will come up with a roadmap leading to full utilization of ESS and set up a division to oversee the process.”
- This will provide the legal framework for further developments.



Thank you