Summary of Daily Feedback output (Wed-Sat collation), as compiled on July 25

Relevant response days: W = Wednesday, T = Thursday, F = Friday, S = Saturday. Content is largely unabridged, except for comments in italics and some typographical corrections.

What research results presented today most impressed you?

- (W) Overview of the procedure to obtain cross section data from the transport coefficients
- (W) Absence of knowledge of all cross sections. I'm new to plasma chemistry and thought as plasma physics is not very young branch of science such things should been already achieved.
- (W) Quality of the posters in general
- (T) The loch visit
- (T) jets modelling
- (T) Animated movies about the behaviour of plasma properties in ICP
- (T) The effect of SEE on the discharge characteristics in low pressure CCPs excited by tailored voltage waveforms
- (F) Electric field measurements in atmospheric- pressure plasma jet
- (F) Plasma processing of nanomaterial at low atmospheric pressure
- (S) Dust in solar *(stellar)* plasma

What do you think are the important unresolved issues in today's topics?

- (W) Are the cross sections that simulations are using trustworthy? Does the modeller know where uncertainties lie?
- (W) Not enough money for research
- (T) jets reflections from dielectrics and water surfaces
- (T) It's required to measure yields/ coefficients more accurately, but it's not 'sexy' and hence hard to get funding. Who is going to do this?
- (W) Workshop outcome should be made available for all the registered participants *(note that this is indeed what will happen)*
- (F) How do we transfer innovative plasma technologies, e.g. for wound treatment, to an industry which is unfamiliar with plasma?
- (S) Difficulties to be able to interest industry to develop future plasma

Can you suggest how progress might be made in the near to medium future?

- (W) Make inventory of current gaps in available data of physical parameters (e.g. emmittance profile of secondary electrons /photo-electrons). This includes which values are never validated or have a large uncertainty, i.e. where the values cannot be used for applications.
- (W) Some wide-world program with standardized equipment, procedures and techniques to obtain all relevant cross sections.
- (W) Better government?

- (T) this research is in progress
- (T) Clear documentation of physics incorporated in models (and what's been left out). Collaborate with industry more.
- (W) Write a review paper based on the outcome of the workshop
- (F) Avoid we all need to make PIC (/kinetic) simulations separately, but have a joint repository where we share code. We do this for data and ideas (using papers), but sharing software tools is been given little attention.
- (F) Allow more easy access to supercomputer