US-Japan IEC Workshop Summary

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I. Thank you!
   a. Kudos to Jerry, John, Sue Ann, and UW for a well done workshop.
   b. Thanks to Bob Hirsch for the keynote talk.

II. What's new?
   a. Cylindrical device at Kyoto University.
      i. More emphasis on this configuration.
   b. First results on electron well in INS-e (LANL).
   c. Fusion product source measurements (UW).
   d. Magnetron source.
      i. Common theme: lower density operation.
   e. Isotope production from D-\(^3\)He fusion protons.
   f. Neutral beam injected IEC (UI).
   g. Kansai University IEC fully operational.
   h. Marshall Space Flight Center performing experiments.

III. What's improved?
   a. Modelling.
      i. Better atomic physics.
      ii. Better kinetics.
      iii. Closer agreement with experiment.
         1. Kyushu U, Tokyo Inst of Tech, Kyoto U, UW, UI, Kansai U
   b. Ion sources
      i. Lower pressure operation
         1. UI, Kyoto U, UW
   c. Applications
      i. Cylindrical sources for nuclear assay
         1. UI, Kyoto U, Tokyo Inst of Tech
      ii. "Super-charged" interplanetary space vehicle (UI)