

## Hoffman, Caitlin

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**From:** Sivertz, Michael  
**Sent:** Friday, September 09, 2016 9:13 AM  
**To:** Hoffman, Caitlin  
**Cc:** Sivertz, Michael  
**Subject:** Fwd: ESR revision AD-014-2014-AUG-12

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Caitlin,

Please attach this email as a document to the ESRC web site page for the ATF under the experiment AD-014-2015-AUG-12. Thanks,

Mike Sivertz  
[sivertz@bnl.gov](mailto:sivertz@bnl.gov)

Begin forwarded message:

**From:** "Sivertz, Michael" <[sivertz@bnl.gov](mailto:sivertz@bnl.gov)>  
**Subject:** Re: ESR revision AD-014-2014-AUG-12  
**Date:** September 8, 2016 at 5:03:34 PM EDT  
**To:** "Kusche, Karl" <[kusche@bnl.gov](mailto:kusche@bnl.gov)>  
**Cc:** "Sivertz, Michael" <[sivertz@bnl.gov](mailto:sivertz@bnl.gov)>, "Cirnigliaro, Peter P" <[cirn@bnl.gov](mailto:cirn@bnl.gov)>

Karl,

Sorry for not getting back to you sooner on this.  
Since you have approval for running the He-H mixture in lecture bottles, I see no reason to hold up approval for the addition of Argon.  
You are approved to run with lecture bottle sized mixtures of He and H.

Mike Sivertz  
[sivertz@bnl.gov](mailto:sivertz@bnl.gov)

On Sep 8, 2016, at 4:25 PM, Kusche, Karl <[kusche@bnl.gov](mailto:kusche@bnl.gov)> wrote:

Mike,

This experiment plans to start Monday. Please let me know if the review & approval are complete as soon as possible. Thanks.

Karl

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**From:** Kusche, Karl  
**Sent:** Tuesday, August 30, 2016 4:25 PM  
**To:** Sivertz, Michael  
**Subject:** ESR revision AD-014-2014-AUG-12

Mike,

For their upcoming run starting September 12, the PI has asked to add the following gas mixtures to ESR AD-014-2014-AUG-12 "High Brightness Picosecond Ion Beam Source. (AE35)":

- a) 90%:10% - Ar:H
- b) 80%:20% - Ar:H
- c) 75%:25% - He:H

The gases will be provided by the vendor already mixed. In the same fashion as the already-approved gases (He, H), these new gases will be limited to lecture bottles. Since He and H are already approved, the new hazard is Argon.

Please review & approve. Thanks.

Karl