

## LArSoft - Task #12237

### Usability: add facilities for better/easier use of associations

04/11/2016 09:30 AM - Gianluca Petrillo

<b>Status:</b>	Closed	<b>Start date:</b>	04/11/2016
<b>Priority:</b>	Normal	<b>Due date:</b>	06/15/2016
<b>Assignee:</b>	Saba Sehrish	<b>% Done:</b>	0%
<b>Category:</b>	Usability	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Spent time:</b>	16.00 hours
<b>Description</b>			
This is related to the <a href="#">usability improvement project</a> . Details are not described in this ticket and they are left to the subtickets.			
<b>Related issues:</b>			
Related to LArSoft - Support #13025: Track the work on associations.		<b>Closed</b>	<b>06/23/2016</b>

### History

#### #1 - 08/04/2016 02:01 PM - Gianluca Petrillo

- Assignee changed from Gianluca Petrillo to Saba Sehrish

Saba has been working on this and she is the owner of the issue.

#### #2 - 10/04/2016 10:41 AM - Katherine Lato

- Related to Support #13025: Track the work on associations. added

#### #3 - 03/30/2018 12:43 PM - Saba Sehrish

- Status changed from Assigned to Resolved

Following utilities were implemented using the range v3 library, and are available in canvas/Utilities.

1. `for_each_group(/* association collection */, /* a callable */);`
2. `for_each_group_with_left(/* association collection */, /* a callable */);`

Some utilities based on the above are in lardata/lardata/Utilities.

#### #4 - 01/17/2019 02:43 PM - Katherine Lato

- Status changed from Resolved to Closed