Direct Observation of Proton Emission in $^{11}$Be


Discussion

1. Calculate log(ft) for the peak position and width reported in the paper. (Shiv)

2. How does the PAT-PC work (detector in the experiment)? How does it get the time measurements? (Bishnu)

3. Will this result help us to understand other nuclei and their properties in the nuclei near the drip lines? What other significance does this result point to? (Ibrahim)

4. Does $^{10}$Be have any place in the field of astrophysics? Any reactions that involve this? (Doug)

5. What is a spectroscopic factor? What is its significance? Is there any astrophysical significance for the new observed resonance in $^{11}$B? (Justin)

6. How accurate is the $^{10}$Be + n (s-wave halo) model of $^{11}$Be? Convince me this is a reasonable description. (Kristyn)

7. Why focus on Li and p detection in the energy range? (Fig. 3) (Matt)