

1135-53-3026

**Olivier Biquard** and **Heather Macbeth\*** (hmacbeth@mit.edu). *Kähler-Ricci solitons on crepant resolutions*. Preliminary report.

By a gluing construction, we produce steady Kähler-Ricci solitons on crepant resolutions of  $\mathbb{C}^n/G$ , where  $G$  is a finite subgroup of  $SU(n)$ , generalizing Cao's construction of such a soliton on a resolution of  $\mathbb{C}^n/\mathbb{Z}_n$ . (Received September 26, 2017)