XSEDE OSG Virtual Cluster Time to completion (TTC) of 8, 16, 32, 64, 128, 256, 512, 1024, 2048 single-core task 16000 г executed on between 1 and 128 pilots 14000 **-** 32 **-** 64 **—** 128 12000 **—** 256 **—** 512 **—** 1024 10000 **—** 2048 8000 6000 4000 2000 0 120 20 40 80 60 100 Number of Pilots