GFLOPS per Watt over Time 10,000 -Fab (nm) O null **O** 4 **O** 5 **O** 7 8 🔘 **O** 12 1,000 -**1**4 **O** 16 **28 3**2 **O** 40 **O** 55 **O** 65 08 🔘 100 -O 90 **1**30 **150** Single precision GFLOPS/Watt **180** Δ Vendor AMD 00 Intel 10 – △ NVIDIA 0 0 0.1 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 Launch