



SEPTEMBER 2023

S	M	T	W	Th	F	Sa
					1	2
3	4 Labor Day	5	6 ☾	7	8	9
10	11	12	13	14 ●	15	16
17	18	19	20	21	22 ☾	23
24	25	26	27	28	29 ○	30

ABELL 2146

In this composite image of two merging galaxy clusters known as Abell 2146, X-rays from Chandra (purple) show hot gas while optical data from the Subaru telescope in Hawaii reveal individual galaxies (red and white). One cluster is moving towards the bottom left and plowing through the other cluster. The hot gas in the former is pushing out a shock wave, like a sonic boom generated by a supersonic jet, as it collides with the hot gas in the other cluster. A study shows a deep connection between this galaxy cluster collision — which is among the largest, most energetic events in the Universe — and much smaller, weaker ones powered by our own Sun. Credit: X-ray: NASA/CXC/Univ. of Nottingham/H. Russell et al.; Optical: NAOJ/Subaru