Figure 1: Item information curves for twelve allostatic load biomarkers in the NHANES sample. BMI and C-reactive protein provide the most information, and is most informative for slightly higher than average allostatic load IRT score (which can be interpreted as a z-score with mean 0 and standard deviation 1). Meanwhile creatinine provides the least information.
Figure 2. Plot of the allostatic load sum-scores versus the estimated allostatic load IRT scores using twelve biomarkers for the NHANES sample. There is a general monotonic relationship but differences remain because the IRT score also accounts for biomarker characteristics (e.g. discrimination) and response pattern.