The use of the Mplus parameterization in IRT modeling is exemplified in the Cai et al. (2011) Psych Methods article on item bi-factor analysis. Page 224 talks about the binary item case and page 225 the graded case. The article refers to the Mplus parameterization as "slope-intercept" where the intercept is the negative threshold in Mplus. The article refers to the a(theta- b) IRT parameterization as the "slope-threshold" parameterization where the "threshold" is the b difficulty parameter, not what Mplus calls threshold. The authors find that the slope-intercept parameterization (used by Mplus) is more general, saying on page 224:

In the unidimensional case, the logit in Equation 4 can be reexpressed in a more convenient slope-threshold form as $d _ a_{0_0_}$ $a_{0}(__0_b)$, where $b _ _d/a_0$ is the threshold (or item difficulty) parameter, indicating the point on the _0 scale at which the probability for correct– endorsement response is exactly .5 if $c _$ 0, or .5 _ .5c if c is not 0. Unfortunately, the slope-threshold form does not generalize well to truly multidimensional models, so we adopt the slope–intercept parameterization for this model and all remaining IRT models.

The slope-intercept parameterization is also used in the Reckase (2009) book "Multidimensional IRT"; see section 4.1.1.1.