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GQ =&b\$) 10!*!Y!63!d+*g&>\$g!d3!] +0\$*R\$'0!5!63! : >& . !d3!] \$?>\$!d3!E&(1,1! i 3!Z+' +0!B!d3!B>! ^&j&14Q!
Z&0*\$!(12!] \$0+*!&*2\$HO<1?'\$?!U&*2\$!D. '\$&% /!] &?1+) 120!&*?!Z&2. 1*\$!E\$&'*1*0!Z+?>\$0!,+!'] \$0%+*0\$!
- '\$?12(1+*3!D+) +O'&% . /!KA8A@L!"8KML!"@FMH"@7@Q!

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9Q : >& . !d3!^ +0/'\$; &!B3!&*?!5/\$?&!] 3 -1\$g+"!2. &**\$>!O&(\$!&!<RH2+*?'<2(&*2\$!>\$; \$>0!C1(. !%'\$00<' \$H!&*?!
; +>(&O\$H?>\$%\$*?>\$*(1+22<%&*2!\$03!Y+<'&*!&+,!V1+>+O12&>!U. \$) 10(' /!KA8A@L!F88K@L!"8I"7GQ!

MQ 5 . &!5!43!- &'[\$'!43!900% : ! ; 3 &*?!# \$) <'!+63!6 @8!&*?!6 @A!+>10+) '\$'0!,+ ') !('&*01\$*(!&*?!%'010(\$*(!
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+%\$&(1+*!+,!^ VU\$"!<%+*!R'1\$,!2. \$) 12&>!102. \$) 1&!%' +) +(\$0!&0(' +2/(12!^ &^!>+&*1*0!&*?!>+00!+,!6D-!1*!

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0+><R>\$!+>10+) \$'!,+') &(1+*! !*&) />+1?!R\$(&!&*?!.\$*!\$00!C.l(\$!>/0+g/) \$!%' +(\$1*03!Y+<'*&>+ ,!- ./012&!
U.\$) 10(' /!V3!KA8"ML!"AFKAIL!7GI9H7G9Mq

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\$E1,\$3!4*(\$'*&(1+*&!Y+<'&>+!,!5('<2(<'&!&*?!U+) %<(&(1+*&!V1+>+O/3!Y+<'&>+!,!] &)*!5%\$2('+02+% /3!
Y+<'&>+!,!V1+% . +(+*1203!^\$<'&>+!^\$(C+' [03!(. \$!X%\$*!^\$<'>+O/!Y+<'&>3!^\$<'&>!] \$0\$*\$'&(1+*!
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5\$*&(+!&(! : 5=!&2<>(/!5\$*&(\$3!8MTA8AAH!% '\$0\$*(!

Z\$) R\$'+,!: 5=!- . /0!20!U+)) 1(((\$\$,+'!#\$\$&'() \$*(! S \$R01(\$!#\$\$; \$>+%) \$*(3!8MTA8AAH% '\$0\$*(!

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U. &1'3!4*,+') &(1+*3!U+) %<(1*03!&*?!U+)) <*12&(1+*!U+'\$+!,!: 5=!- &*?\$) 12!] \$0%+*0\$!] \$0\$&'2. ! ^\$(C+' [3!
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IQ 4*(' + ? < 2(1+*!(+!U+) %<(&(1+*&>!- . /0120!K- . #!>\$; \$>!U+<'0\$!f!- ` c!7"7@UL3!(&<0. (!0\$; \$*!(1) \$0!0! *2\$! A8" FQ!

9Q 6 ? ; &*2\$?!U+) %<(&(1+*&>!- . /0120!K- . #!>\$; \$>!U+<'0\$!f!- ` c!7"7GUL3!(&<0. (!,1; \$!(1) \$0!0! *2\$!A8"@Q!!

MQ Z &(. \$) &(12&! Z \$(. + ? 0!1*!- . /0120!K : *? \$ 'O' & ? < &(\$!>\$; \$>!U+<'0\$!f!- ` c!F" "FL3!(&<0. (!0!N!(1) \$0!0! *2\$! A8" GQ!

"8Q d \$ * \$ ' & >!- . /0120!4!KCr6>0\$R' & LK : *? \$ 'O' & ? < &(\$!>\$; \$>!U+<'0\$!f!- ` o!A87FL3!5<)) \$ ' !A8"@Q!

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"AQ U+) %<(&(1+*&>!- . /0120!K : *? \$ 'O' & ? < &(\$!>\$; \$>!U+<'0\$!f!- ` c!@ "7"UL3! ? \$; \$ > + % \$? ! * ! 5 <)) \$ ' !A8" G3! (&<0. (!! * ! = & > ! A8" GQ!

"FQ X* > ! * \$! U + < ' 0 \$! + * ! 4 * (' + ? < 2(1+*!(+!U+) %<(&(1+*&>!- . /0120!K- . #!>\$; \$>!U+<'0\$!f!- ` c!7"7@UL3! ? \$; \$ > + % \$? ! * ! 5 <)) \$ ' !A8" G3! (&<0. (!! * ! = & > ! A8" GQ!

U+<'0\$0!D&<0. (!V\$, + '\$! : 5=!

"@Q D . \$ ') & ! & * ? ! 5 (& (10(12&>!- . /0120!K : *? \$ 'O' & ? < &(\$!>\$; \$>! = & > ! A888L!

"7Q 5 % \$ 2! & > ! D + % 120! * ! ^ < 2 \$ & ' ! - . /0120!K : *? \$ 'O' & ? < &(\$!>\$; \$>! 5 % ' 1 * O ! A88" L!!

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9Q U.'10(+%. \$!D12.&2\$[3!Z\$?12&>!-./0120!-.#!K5<) \$!A8"7!\!&>!A8"ML!

MQ ^1[>&0!`mR\$>3!-.#3!-+0(?+2(+&!>] \$0\$&'2.\$!KZ&'!A8"7!H!5<) \$!A8"GL!

"8Q -&('12[!D+O>l&3!-./0120!-.#!K=&>!A8"F!\!5%'1*O!A8"9L!

""Q Z<.&) &?;!5.&.1jH :>H`&00&*3!Z\$?12&>!-./0120!-.#!K5%'1*O!A8"G!\!5%'1*O!A8"9L!

"AQ 5&\$?16.) &?3!Z\$?12&>!-./0120!-.#!K5%'1*O!A8"G!\!5%'1*O!A8"ML!

"FQ Z12.&\$!&0&*+3!-./0120!ZQ5Q!K5%'1*O!A8"@!\!5%'1*O!A8"9L!

"@Q ='&*2102+!5&*+(+03!-./0120!ZQ5Q!K=&>!A8"7!\!5%'1*O!A8"9L!

"7Q i &'0!_>? [&) %3!Z5!4*(\$*!, '+) !: *1;\$'0!(/!+,!DC\$*(\$!^\$(.\$'>&*?0!KZ&'!A8"!H!^+;!A8A"LQ!

: *? \$'O'&?<&(\$!5(<? \$*(0!

"Q 5(\$,&*!=\$1\$'3!-./0120! : *? \$'O'&?<&(\$!K5<) \$!A8AA!\!- '\$0\$*(L!

AQ B) l>!B!_&*! S 1\$>\$3!-./0120! : *? \$'O'&?<&(\$! : *1;\$'0!(/!+,!D&) %&!K5<) \$!A8A@!\!- '\$0\$*(L!

FQ # \$;1*!d&1*\$'3!-./0120! : *? \$'O'&?<&(\$!K5%'1*O!A8AF!\!&>!A8AFL!

@Q B'12!` +*,\$2[3!-./0120! : *? \$'O'&?<&(\$!K5%'1*O!A8AF!\!&>!A8AFL!

7Q U&'>+!*\$! S &'?3!-./0120!] B : !0(<? \$*(!, '+) !D.\$!U+>>\$0\$!+,! S ++0(\$'3!X`!K5<) \$!A8AAL!

GQ D/>\$!'!` <>>3!-./0120! : *? \$'O'&?<&(\$!K5%'1*O!A8A"!H!5%'1*O!A8AAL!

IQ Anthony Gifford3!-./0120! : *? \$'O'&?<&(\$!K=&>!A8A"!H!5%'1*O!A8AAL!

9Q Zenzele Thomas3!-./0120! : *? \$'O'&?<&(\$!K=&>!A8A"!H!5%'1*O!A8AAL!

MQ U.&0\$!] <.,3!-./0120! : *? \$'O'&?<&(\$!K5%'1*O!A8A8!H!&>!A8AAL!

"8Q 6>\$N!Y!60+0(+3!-./0120! : *? \$'O'&?<&(\$!K=&>!A8A8!H!&>!A8AAL!

""Q B(.&*!`!>=\$) 1*03!-./0120!] B : !0(<? \$*(!, '+) !Z1?>?>\$R<' /!U+>>\$0\$3!_D!K5<) \$!A8A"L!

"AQ S l>l&) !-&*(\$3!-./0120! : *? \$'O'&?<&(\$!K5%'1*O!A8"M!H!5%'1*O!A8A8L!

"FQ] +0&'1+!` \$'&*?>\$g3! : *? \$'O'&?<&(\$! -./0120!] B : !0(<? \$*(!, '+) !5+<(.C\$0(\$! : *1;\$'0!(/3!D s !K5<) \$!A8"ML!

"@Q U+>1*!D'\$;+!'!` <*(>\$/3!-./0120! : *? \$'O'&?<&(\$!K5<) \$!A8"M!H!5%'1*O!A8A8L!

"7Q Y+.*!c.+<3!-./0120! : *? \$'O'&?<&(\$!K5%'1*O!A8"M!H!&>!A8"ML!

"GQ d'&2\$!E>+/?3!U\$>>&'!&*?!Z+>\$2<&'!V1+>+0/! : *? \$'O'&?<&(\$!K5%'1*O!A8"9!\!5%'1*O!A8"ML!

"IQ i &f[(d) 5.92cm/TT9!Tf(!) TjETQq0.24000.2412589.92cm.24125892589.92c.23'059 s c q ITf(!) TjETQq0.24000.24125

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AAQ 5&*1) !] & .) &*3!U. \$) 12&>!B*01*\$ \$'1*0! : *?'\$'O'&?<&(\$!K5%'1*0!A8" I!\!5%'1*0!A8"9L!
 AFQ] +R\$'(15%'&O<\$3!- . /0120! : *?'\$'O'&?<&(\$!K=&>!A8" I!\!5%'1*0!A8"9L!
 A@Q 6*(. +*! / i !U>\$&'3! : *?'\$'O'&?<&(\$!- . /0120!] B : !0(<?'\$*(!, '+) ! i 1*0! : *1; '\$'01(/3!D^!K5<)) '\$!A8" IL!
 A7Q B)) &!5(\$% .&*3! ^ 10. !52. ++>!5(<?'\$*(!K87TA8" I!\!8MTA8" IL!
 AGQ V'&*(+*! ` < , 0(<(>\$'3!- . /0120! : *?'\$'O'&?<&(\$!K=&>!A8"@!\!&>!A8"GL!
 AIQ B ;&*!E1(<(\$3!- . /0120! : *?'\$'O'&?<&(\$!K5%'1*0!A8"G!\!S 1*(\$'!A8"GL!
 A9Q D/>\$'!4+'!gg+3!- . /0120! : *?'\$'O'&?<&(\$!K5<)) '\$!A8"7!\!&>!A8"GL!
 AMQ U+<(+*!Y+. *0+*3! : *?'\$'O'&?<&(\$!- . /0120!K=&>!A8"7H!5<)) '\$!A8"GL!
 F8Q 5&) <\$!Z+*(0+) \$' /3! : *?'\$'O'&?<&(\$!- . /0120!] B : !0(<?'\$*(!, '+) ! ^ \$C!Z \$N12+!D\$2. !K5<)) '\$!A8"7L!
 F"Q D. &(2. '\$!Z+003! : *?'\$'O'&?<&(\$!- . /0120!K5<)) '\$!A8"7L!
 FAQ #&*!\$>!V+*!i>>&3! : *?'\$'O'&?<&(\$!- . /0120!K=&>!A8"7L!
 FFQ] +R\$'(!E+0&*3! : *?'\$'O'&?<&(\$!- . /0120!K=&>!A8"FH!5%'1*0!A8"7L!
 F@Q U+'\$! /!V&(. <'0(3! : *?'\$'O'&?<&(\$!- . /0120!K=&>!A8"FH!5<)) '\$!A8"@L!
 F7Q U&(. &'1*\$!5. 1%03! : *?'\$'O'&?<&(\$!- . /0120!] B : !0(<?'\$*(!, '+) ! X. 1+!5(&(\$! : *1; '\$'01(/!K5<)) '\$!A8"7L!
 FGQ #&*!10. ! ^ &0&*3! : *?'\$'O'&?<&(\$!V1+) \$?'12&>!52!\$*2\$0!K=&>!A8"@!H!5%'1*0!A8"7L!
 FIQ 6>\$N&*?'\$!51?+.) 3! : *?'\$'O'&?<&(\$!V1+) \$?'12&>!52!\$*2\$0!K=&>!A8"@!H!5%'1*0!A8"7L!

6<>) *!KU+H&? ; 10\$?!&!(. \$!- \$**0/> ; &*!&!5(&(\$! : *1; '\$'01(/L!

"Q o 1*!&! S \$!3!- . #!1*! ^ \$<'&>!B*01*\$ \$'1*0!K=&>!A88I!H!5%'1*0!A8"FL!

Z \$) R\$'!+,!(. \$!- . #!(. \$010!2+)) 1(((\$0J!

"Q ^ &R1>&!V<0. ' &3!# \$%&' () \$*(!+,!- . /0120!

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FQ ^+. &!6>g&. '&*!3!# \$%&' () \$*(!+,!- . /0120!

@Q 6R?<>. &[1] !6>0&1,3!# \$%&' () \$*(!+,!B>\$2('12&>!B*01*\$ \$'1*0!

7Q 6>!6>b<) &. 3!# \$%&' () \$*(!+,!B>\$2('12&>!B*01*\$ \$'1*0!

GQ U. &) &*! ^ 1/&*0+?&3!# \$%&' () \$*(!+,!- . /0120!

IQ Y&0+*!Z &0(3!# \$%&' () \$*(!+,!- . /0120!

9Q Y\$'\$) /!V&'(+*3!# \$%&' () \$*(!+,!- . /0120!

MQ 6' /&!U. 1*(&3!# \$%&' () \$*(!+,!- . /0120!

"8Q E1&*0!- \$*0,\$!3!# \$%&' () \$*(!+,!- . /0120!

""Q Y&) \$0! i '<2g\$[3!# \$%&' () \$*(!+,!- . /0120!!

"AQ Baderaldeen Altazi, Department of Physics, Moffitt Cancer Center (graduated 2017)!

"FQ D&(1&*!&!Z 1(13!# \$%&' () \$*(!+,!- . /0120!KO'&?<&(\$?!A8" IL!

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"@Q 6) &*!U.&C>&3!#\$%&'() \$*(!+,!B>\$2('12&>!B*0!*\$'1*0!KO'&?<&(\$?!A8" IL!

"7Q Z \$*(+!'Z<&b3!#\$%&'() \$*(!+,!- ./0120!KO'&?<&(\$?!A8"G)!

3(-.,.)\$./CD(,E/:(2/*F,B%)'G.'**

"Q!!!U+H+'O&*!g\$?!6 - 5!U+*, '\$*\$2\$, +'! : *? '\$'O'&?<&(\$! S +) \$*!1*!- ./0120!&(! : 5=3!A8A8!!

AQ!!!X'O&*!g\$?!&!&(!

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